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TI Compositions for unfired ceramic products for civil construction  
IN Gomes, Pedro Linhares  
PA Brazil  
SO Braz. Pedido PI, 11 pp.  
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DT Patent  
LA Portuguese  
IC ICM C04B028-00  
ICS C04B018-12; C04B018-14; C04B018-16  
CC 58-4 (Cement, Concrete, and Related Building Materials)  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BR 9606112	A	19990323	BR 1996-6112	19961211
PRAI	BR 1996-6112		19961211		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
BR 9606112	ICM	C04B028-00
	ICS	C04B018-12; C04B018-14; C04B018-16

AB The compn. comprises clay 18-20, sand 40-45, **cement** 15-20, LD **slag** 10-12, and oxides 2-3 wt.%. Alternative compns. also contain **nepheline**, carbon, granite waste, belite, stone powder, feldspar NE, grog, masonry rubble, lime hydrate, and/or blast furnace dust (charcoal). All of the compns. give products with high bending strength and low water absorption. Each compn. is appropriate for some type of civil construction, e.g., concretes, plasters, paving, floors, etc., and some may be premolded or extruded.

ST ceramic compn unfired civil construction; waste solid building material  
IT **Cement** (construction material)  
Concrete  
Construction materials  
Floors  
Grog

Ca  
||

also contains CaO residue